

Title (en)
IMPROVED FABRIC ANTENNA

Title (de)
VERBESSERTE GEWEBEANTENNE

Title (fr)
ANTENNE EN TISSU AMELIOREE

Publication
EP 1157445 A1 20011128 (EN)

Application
EP 00971439 A 20001109

Priority
• EP 0011117 W 20001109
• GB 9927842 A 19991126

Abstract (en)
[origin: WO0139326A1] A patch antenna (10) for mobile telecommunications use is designed for incorporation into the garment of a wearer, e.g. in a shoulder pad (10) or lapel (30). The antenna comprises first and second (12, 16) spaced layers of electrically conducting fabric with a layer (14) of insulating fabric between, and a connection between the conducting layers. The conducting layers (12, 16) may be a single strip of shaped fabric (A, B, C) folded around the insulating layers. The conducting layers are shaped so that the layer adjacent the wearer is of larger area and is connected as the ground plane of the antenna so as to shield the wearer from the strongest electrical fields. Also, the patch antenna is arranged so that its radiating regions (24, 38) are remote from the user's head.

IPC 1-7
H01Q 9/04; **H01Q 1/27**; **A41D 1/00**

IPC 8 full level
H01Q 13/08 (2006.01); **H01Q 1/22** (2006.01); **H01Q 1/27** (2006.01); **H01Q 1/38** (2006.01); **H01Q 1/44** (2006.01); **H01Q 9/04** (2006.01); **A41D 1/00** (2018.01)

CPC (source: EP US)
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Citation (search report)
See references of WO 0139326A1

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